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## ABSTRACT

### [Abstract of the Disclosure]

Sockets that occupy a small area and easily extend a plurality of memory modules and a memory system using the sockets are provided. The memory system includes the sockets for extending the memory modules, that is, a through socket and a turn around socket. The through socket includes a socket pin fixing apparatus, which is the body of a socket and can load the plurality of memory modules, and a plurality of socket pins internally connected to each other by passing through the socket pin fixing apparatus and electrically connects the loaded memory modules to each other. The turn around socket includes a socket pin fixing apparatus for loading at least one memory module and connects a tab of one surface of the loaded memory module to a tab of the other surface by passing through the socket pin fixing apparatus. The memory system using the through sockets and the turn around socket can easily extend a plurality of memory modules by combining the plurality of through sockets with the plurality of turn around sockets or repeatedly using the combined through sockets and turn around sockets in a printed circuit board (PCB).

### 20 [Representative Drawing]

#### FIG. 4

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